

A block diagram of a control system. A box labeled 'AMP' (18) is connected to a motor assembly (2). The motor assembly includes a motor (4) and a control unit (14). A feedback signal (12) is sent from the motor assembly to a control unit (8). A power supply (10) is connected to the motor assembly.

The diagram shows a 2D hexagonal lattice of nodes (circles) connected by edges. Two nodes are highlighted with hatching and labeled T_1 and T_2 . Various edges and nodes are labeled with reference numerals: 20, 24, 32, 40, 44, 48, 50, 60, and n . Dotted lines indicate the continuation of the lattice structure.

FIG. 5

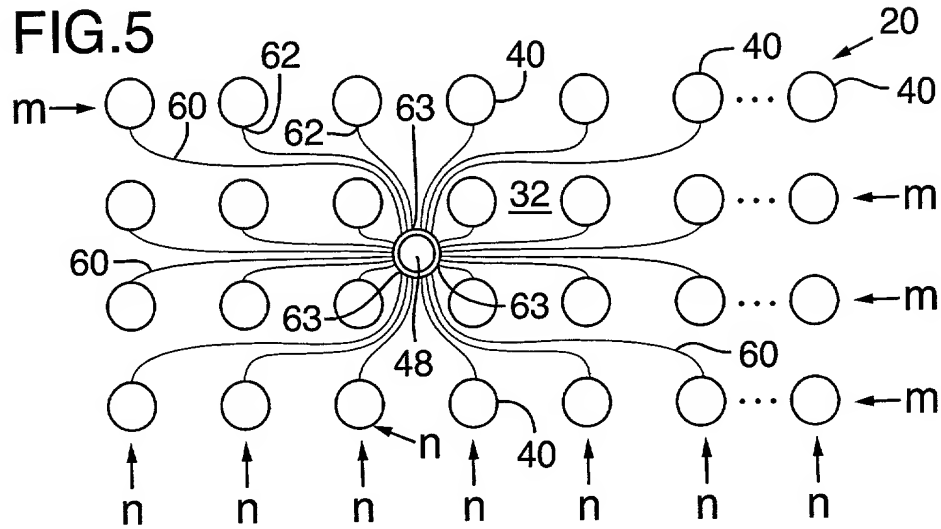


FIG. 6

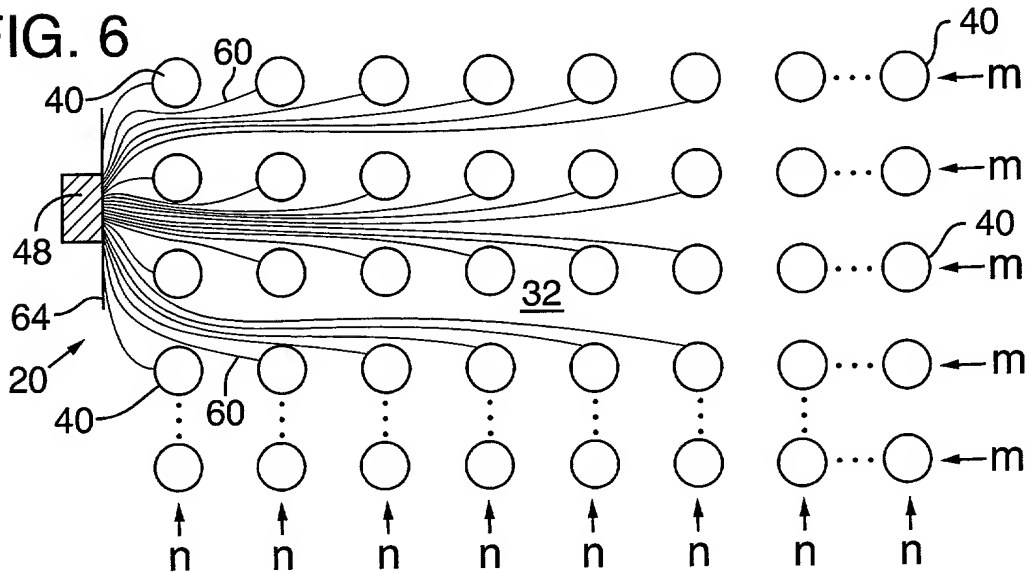


FIG. 7

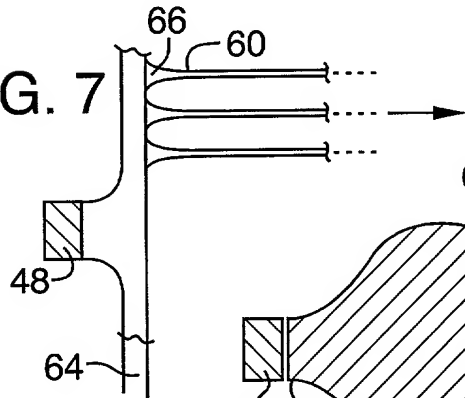


FIG. 8

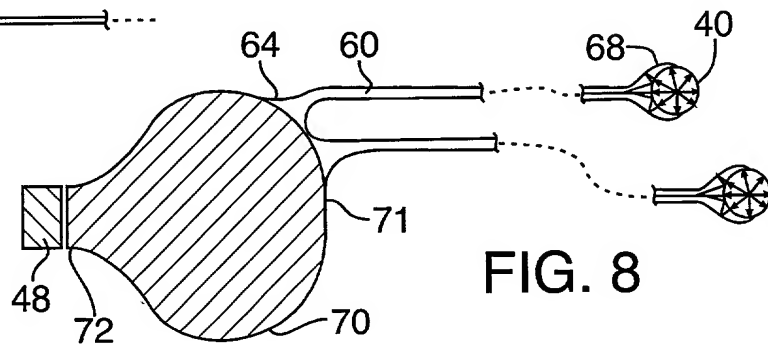


FIG. 9

20

40

80

48

84

+ To Electronics

- To Electronics

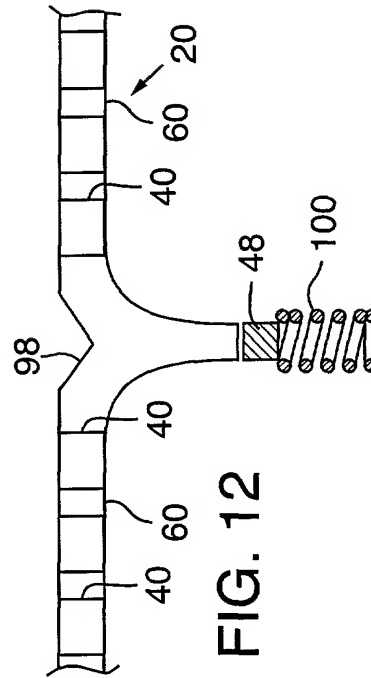
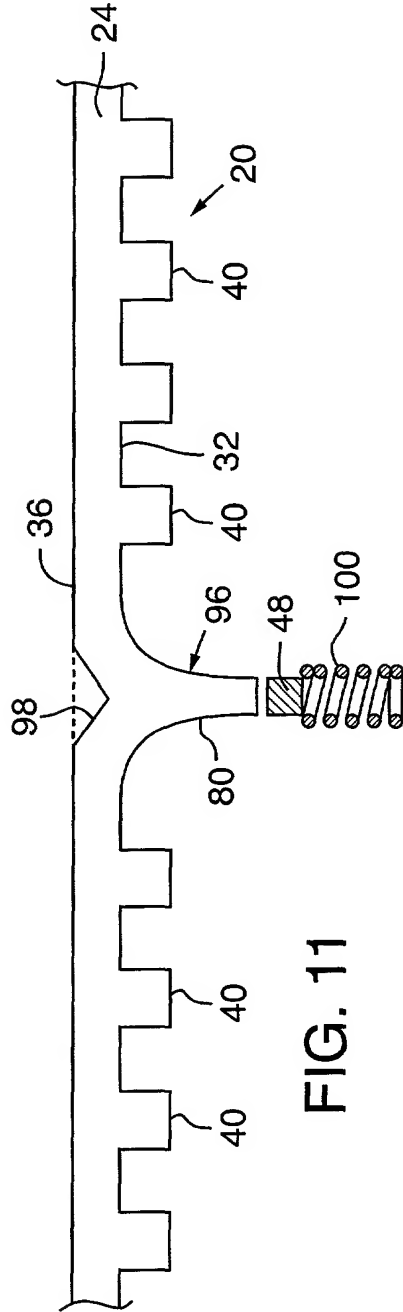
FIG. 10

FIG. 10 is a cross-sectional view of a device 20. The device features a series of rectangular wells 40. Below the wells is a central structure 48 with two vertical channels. Wavy lines labeled "To Electronics" with "+" and "-" signs indicate electrical connections. At the bottom of the central structure is a circular element 88, with a pointed tip 89 and a base 86.

The diagram shows a rectangular grid of circular elements, labeled 24. A central circular element, labeled 36, is connected to the surrounding elements by a network of lines. The lines connecting the central element to the elements immediately adjacent to it are labeled 60. The lines connecting the central element to the elements further away are labeled 90. The grid is bounded by a wavy line on the right side, labeled 28. The grid is also labeled 40.

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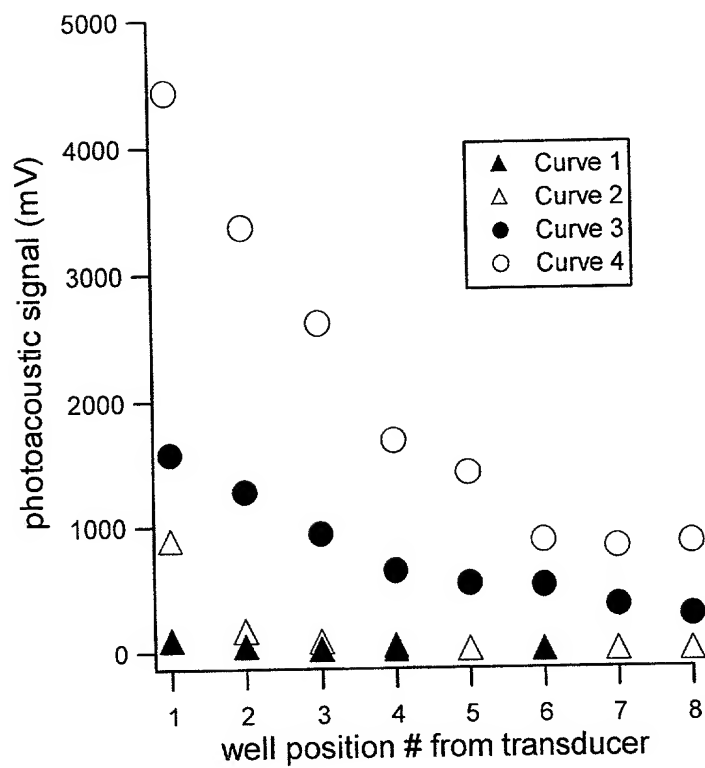


FIG. 14

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FIG. 15a

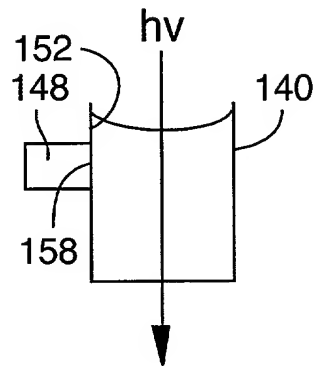


FIG. 15b

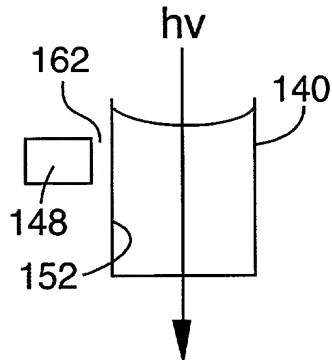


FIG. 15c

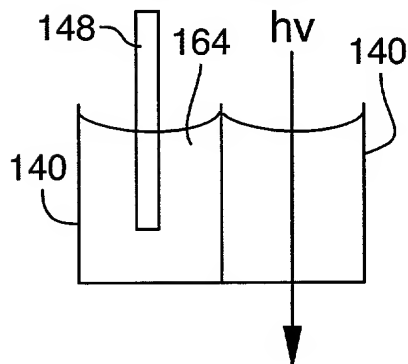


FIG. 16

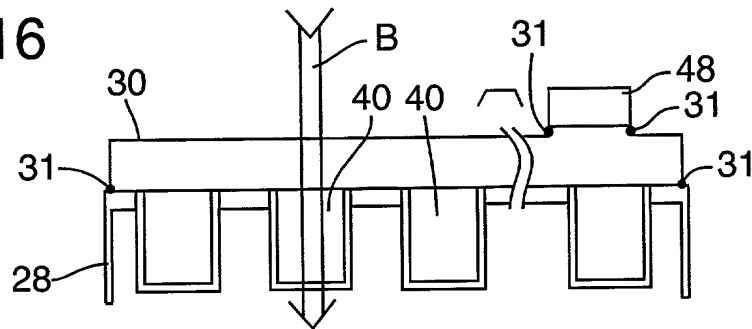


FIG. 17

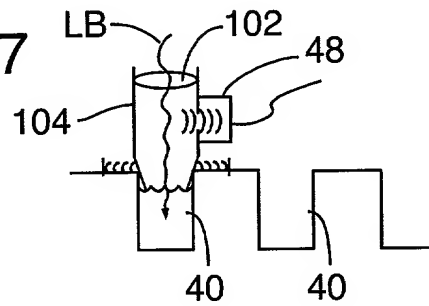


FIG. 18

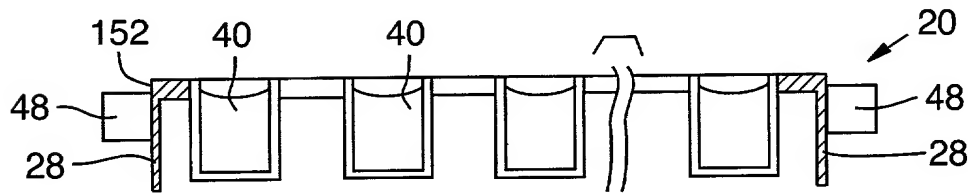


FIG. 19

